



Power Systems Running Linux: Red Hat Administration (PowerVM Base)  
Information

**Length:** 2.0 Days  
**Ref:** LX031G-X  
**Delivery method:** Classroom  
**Price:** AUD

Overview

This course introduces basic administration functions involving Red Hat Enterprise Linux within an IBM Power Systems running Linux ecosystem. In this course students are taught installation, configuration, administration and troubleshooting. Students will also learn command line operations, graphical desktop deployment, device management, IBM tools, and system recovery. The course is part of a Linux curriculum path available to students who want to focus on Red Hat.

This course provides lectures and hands on labs in an instructor lead course environment, either in a face-to-face classroom or in a live virtual classroom environment (ILO - Instructor Led Online).

Public

The audiences for this training include anyone who needs to create and manage partitions on IBM Power System servers, such as Linux or AIX technical support and consultants, Linux or AIX system administrators, or system architects and engineers

Prerequisites

Students would benefit from general knowledge of IBM Power Systems servers and partitions. This can be obtained through attending the course Essentials of PowerVM (LX024G).

Objective

After completing this course, students should be able to:

- Recognize different execution environments that Red Hat Linux runs on for IBM POWER8 processor-based server
- Install Red Hat v7.2 on a POWER8 processor-based server
- Manage Red Hat v7.2 within a POWER8 processor-based server environment using standard tools
- Locate and utilize IBM Service and Productivity tools
- Customize the configuration of the boot loader
- Access rescue mode

## Topics

### Day 1

#### Unit 1 - Installing Red Hat v7

Exercise 1 - Red Hat installation

#### Unit 2 - System management tools

Exercise 2 - Perform system management tasks

### Day 2

#### Unit 3 - Power Systems device operations and boot management

Exercise 3 - Manage POWER8 devices and boot operations

#### Unit 4 - System recovery modes

Exercise 4 - Linux on POWER\* service tools

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